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Optical disk drive e.g. for CD-ROM - has CPU with distinction unit which identifies loaded optical disk based on output of CD signal analysis decoder

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Patent Family:

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JP 9185868	A	19970715	JP 9665225	A	19960227		199738 B

Priority Applications (No Type Date): JP 95306785 A 19951030

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application Patent
<u>JP 9185868</u>	A		28		

Abstract (Basic): JP 9185868 A

The optical disk drive records and reproduces information onto a recording medium. A CD signal analysis decoder (22) is provided to decode the signal obtained from the optical disk. The output of the CD signal analysis decoder is supplied to a path circuit of CPU (14). A distinction unit is provided in the CPU to identify the type of disk that is mounted based on the output of the CD signal analysis decoder. When the distinction unit identifies that the disk that is mounted is a digital information disk, a confirmation unit verifies whether the optical disk that is loaded has only audio information. The output signal of the CPU is supplied to an expansion decoder (26).

When the optical disk that is loaded is a digital disk and contains only audio information, that type signal indicating the recording compression method mode is determined. The expansion decoding mode of the expansion decoder is established according to the type signal indicating the compression method mode. When the distinction unit identifies the loaded disk as CD-DA, a mode establishment unit defines the expansion decoder to operate in through path mode to output the signal obtained from the CD signal analysis decoder.

ADVANTAGE - Detects disk type, correctly. Shortens recording and reproduction time. Improves reliability of operation.

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Title Terms: OPTICAL; DISC; DRIVE; CD; ROM; CPU; DISTINCT; UNIT; IDENTIFY; LOAD; OPTICAL; DISC; BASED; OUTPUT; CD; SIGNAL; ANALYSE; DECODE

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